Student #2

Date: 1-31-11

Period: 1

Finding the Volume of Irregular Shaped Objects

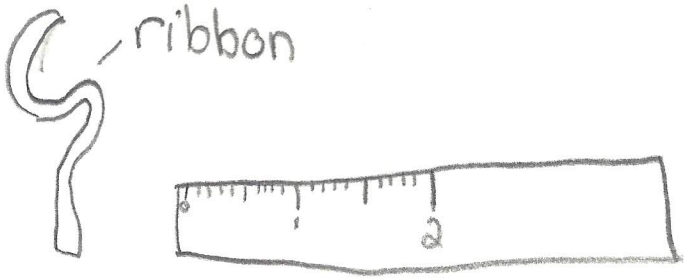
Directions length: 1 cm height: 2cm width: 2

1. Find the volume of the gumball using one or more of the materials that you have been provided.
2. Volume of the gumball = 3 ml
3. How did you find the volume of the gumball?

1 x 2 x 2 = 4 ?
L x W x H

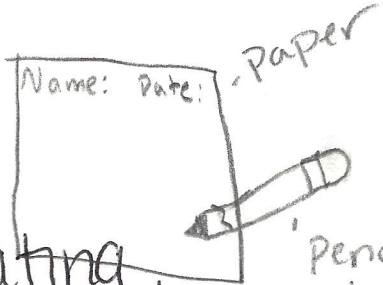
First we used the ribbon and the ruler to measure the length, the width, and the height. Then we multiplyed the length, the width, and the height and got 4 cm 3

4. Draw a detailed diagram of how you found the volume of the gumball.



1st calculated vol (LxWxH) 2nd circumference ? How they got their answer?

gumball



Average to Low (most students did this!)

Student #2 gets the concept of calculating volume of regular solids (LxWxH). Student #2 does not understand that gumball does not have a length, width, or height. Student #2 was using circumference to calculate volume, very confused.